## AMENDMENTS TO THE CLAIMS:

Please change the heading at page 37, line 1, from "Claims" to --WHAT IS CLAIMED IS:--

The following listing of claims will replace all prior versions of claims in the application.

## Claims 1-10 (canceled)

-- Claim 11 (new): An imidazolopyrimidine of formula (I)

and salts thereof,

in which

R<sup>1</sup> represents H, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted alkynyl, optionally substituted cycloalkyl, or optionally substituted heterocyclyl; or represents an organic radical that contains 3 to 13 carbon atoms and one or more silicon atoms and optionally 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, nitrogen, and sulphur and which that is unsubstituted or substituted by 1 to 4 identical or different halogens,

R2 represents an organic radical that contains 3 to 13 carbon atoms and one or more silicon atoms and optionally 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, nitrogen, and sulphur and which that is unsubstituted or substituted by 1 to 4 identical or different halogens, or

R<sup>1</sup> and R<sup>2</sup> together with the nitrogen atom to which they are attached represent an optionally substituted heterocyclic ring that contains one or more silicon atoms and/or is substituted by one or more radials R<sup>2</sup>,

R<sup>3</sup> represents optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted alkyl, optionally substituted alkenyl, optionally

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substituted alkynyl, optionally substituted cycloalkyl, optionally substituted aralkyl, halogen, or optionally substituted amino, optionally substituted  $(C_1-C_8)$ -alkoxy, optionally substituted  $(C_1-C_8)$ -alkylthio, optionally substituted  $(C_6-C_{10})$ -aryloxy, optionally substituted  $(C_6-C_{10})$ -arylthio, optionally substituted heterocyclyloxy, optionally substituted  $(C_6-C_{10})$ -aryl- $(C_1-C_4)$ -alkoxy, optionally substituted  $(C_6-C_{10})$ -aryl- $(C_1-C_4)$ -alkylthio, optionally substituted heterocyclyl- $(C_1-C_4)$ -alkoxy, or optionally substituted heterocyclyl- $(C_1-C_4)$ -alkylthio,

- R<sup>4</sup> represents H, halogen, optionally halogen-substituted alkyl, or optionally halogen-substituted cycloalkyl,
- R<sup>5</sup> represents H, halogen, optionally halogen-substituted alkyl, or optionally halogen-substituted cycloalkyl, and
- X represents halogen, cyano, optionally substituted alkyl, optionally substituted alkoxy, or optionally substituted phenyl.

Claim 12 (new): An imidazolopyrimidine of formula (I) according to Claim 11 in which  $R^1$ represents H; represents alkyl having 1 to 6 carbon atoms that is optionally mono- to pentasubstituted by identical or different substituents selected from the group consisting of halogen, cyano, hydroxy, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 8 carbon atoms; represents alkenyl having 2 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, hydroxy, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 8 carbon atoms; represents alkynyl having 3 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 8 carbon atoms; represents cycloalkyl having 3 to 8 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen and alkyl having 1 to 4 carbon atoms; represents saturated or unsaturated heterocyclyl having 3 to 8 ring members and 1 to 3 heteroatoms selected from the group consisting of nitrogen, oxygen, and sulphur, where the heterocyclyl is optionally mono- or

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disubstituted by halogen, alkyl having 1 to 4 carbon atoms, cyano, and/or cycloalkyl having 3 to 8 carbon atoms; or represents an aliphatic saturated or unsaturated group having 1 to 13 carbon atoms and one or more silicon atoms that optionally contains 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, sulphur, and nitrogen and that is unsubstituted or substituted by 1 to 4 identical or different halogen atoms, represents an aliphatic saturated or unsaturated group having 1 to 13 carbon

R<sup>2</sup> atoms and one or more silicon atoms that optionally contains 1 to 3 identical or different heteroatoms selected from the group consisting of oxygen, sulphur, and nitrogen and that is unsubstituted or substituted by 1 to 4 identical or different halogen atoms, or

R<sup>1</sup> and R<sup>2</sup> together with the nitrogen atom to which they are attached represent a saturated or unsaturated heterocyclic ring having 3 to 8 ring members that contains one or more silicon atoms and/or is substituted by one or more radicals R<sup>2</sup>, where the heterocycle optionally contains a further nitrogen, oxygen or sulphur atom as ring member and where the heterocycle is optionally substituted up to three times by fluorine, chlorine, bromine, alkyl having 1 to 4 carbon atoms, and/or haloalkyl having 1 to 4 carbon atoms and 1 to 9 fluorine and/or chlorine atoms;

 $R_3$ represents C<sub>1</sub>-C<sub>10</sub>-alkyl, C<sub>2</sub>-C<sub>10</sub>-alkenyl, C<sub>2</sub>-C<sub>10</sub>-alkynyl, C<sub>3</sub>-C<sub>8</sub>-cycloalkyl, or phenyl-C<sub>1</sub>-C<sub>10</sub>-alkyl, where each such group is unsubstituted or partially or fully halogenated and/or optionally carries one to three radicals RX; represents C<sub>1</sub>-C<sub>10</sub>-haloalkyl that optionally carries one to three radicals R<sup>X</sup>; represents phenyl that is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of halogen, cyano, nitro, amino, hydroxy, formyl, carboxy, carbamoyl, and thiocarbamoyl; of straightchain or branched alkyl, alkoxy, alkylthio, alkylsulphinyl, and alkylsulphonyl having in each case 1 to 6 carbon atoms, of straight-chain or branched alkenyl and alkenyloxy having in each case 2 to 6 carbon atoms, of straightchain or branched haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulphinyl, and haloalkylsulphonyl having in each case 1 to 6 carbon atoms and 1 to 13 identical or different halogen atoms, of straight-chain or branched haloalkenyl CS8849

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and haloalkenyl\oxy having in each case 2 to 6 carbon atoms and 1 to 11 identical or different halogen atoms, of straight-chain or branched alkylamino, dialkylamino, alkylcarbonyl, alkylcarbonyloxy, alkoxycarbonyl, alkylsulphonyloxy, hydroximinoalkyl, and alkoximinoalkyl having in each case 1 to 6 carbon atoms in the individual alkyl moieties, of cycloalkyl having 3 to 8 carbon atoms, and of 1,3-propanediyl, 1,4-butanediyl, methylenedioxy (-O-CH<sub>2</sub>-O-), and 1,2-ethylenedioxy (-O-CH<sub>2</sub>-CH<sub>2</sub>-O-), each of which is attached in the 2,3position and is optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of halogen, alkyl having 1 to 4 carbon atoms, and haloalkyl having 1 to 4 carbon atoms and 1 to 9 identical or different halogen atoms; represents saturated or unsaturated heterocyclyl having 3 to 8 ring members and 1 to 3 heteroatoms selected from the group consisting of nitrogen, oxygen, and sulphur, where the heterocyclyl is optionally mono- or disubstituted by halogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, haloalkoxy having 1 to 4 carbon atoms, haloalkylthio having 1 to 4 carbon atoms, cyano, nitro, and/or cycloalkyl having 3 to 6 carbon atoms; or represents C<sub>1</sub>-C<sub>8</sub>-alkylamino, C<sub>2</sub>-C<sub>8</sub>-alkenylamino, C<sub>2</sub>-C<sub>8</sub>-alkynylamino, di-C<sub>1</sub>-C<sub>8</sub>-alkylamino, di-C<sub>2</sub>-C<sub>8</sub>-alkenylamino, di-C<sub>2</sub>-C<sub>8</sub>-alkynylamino, C<sub>2</sub>-C<sub>8</sub>alkenyl-(C2-C8)-alkynylamino, C2-C6-alkynyl-(C1-C8)-alkylamino, C2-C8alkenyl-(C<sub>1</sub>-C<sub>8</sub>)-alkylamino, C<sub>6</sub>-C<sub>10</sub>-arylamino, C<sub>6</sub>-C<sub>10</sub>-aryl-(C<sub>1</sub>-C<sub>8</sub>)-alkylamino, C<sub>6</sub>-C<sub>10</sub>-aryl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkylamino, heterocyclyl-(C<sub>1</sub>-C<sub>8</sub>)alkylamino, or heterocyclyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl-(C<sub>1</sub>-C<sub>8</sub>)-alkylamino; where RX represents cyano, nitro, hydroxy, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-haloalkyl, C<sub>3</sub>-C<sub>6</sub>-cycloalkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, C<sub>1</sub>-C<sub>6</sub>-haloalkoxy, C<sub>1</sub>-C<sub>6</sub>-alkylthio, C<sub>1</sub>-C<sub>6</sub>haloalkylthio, C<sub>1</sub>-C<sub>6</sub>-alkylsulphinyl, C<sub>1</sub>-C<sub>6</sub>-haloalkylsulphinyl, C<sub>1</sub>-C<sub>6</sub>-alkylsulphonyl, C<sub>1</sub>-C<sub>6</sub>-haloalkylsulphonyl, C<sub>1</sub>-C<sub>6</sub>-alkylamino, di-C<sub>1</sub>-C<sub>6</sub>-alkylamino, C2-C6-alkenyl, C2-C6-alkenyloxy, C2-C6-alkynyl, or C3-C6-alkynyloxy; or represents optionally halogenated oxy-C<sub>1</sub>-C<sub>4</sub>-alkyl-C<sub>1</sub>-C<sub>4</sub>-alkenoxy, oxy-C<sub>1</sub>-C<sub>4</sub>-alkenyl-C<sub>1</sub>-C<sub>4</sub>-alkoxy, or oxy-C<sub>1</sub>-C<sub>4</sub>-alkyloxy,

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- represents H, halogen, (C<sub>1</sub>-C<sub>4</sub>)-alkyl that is unsubstituted or substituted by one or more halogen atoms, or cyclopropyl that is unsubstituted or substituted by one or more halogen atoms,
- represents H, halogen, (C<sub>1</sub>-C<sub>4</sub>)-alkyl that is unsubstituted or substituted by one or more halogen atoms, or cyclopropyl that is unsubstituted or substituted by one or more halogen atoms, and
- X represents H, fluorine, chlorine, bromine, or CN.

Claim 13 (new) An imidazolopyrimidine of formula (I) according to Claim 11 in which represents hydrogen, methyl, or ethyl;

 $\mbox{R}^{2}$  represents a group Y2-Si(OmCH3)(OnCH3)(OpY3), where

m, n, and p independently of one another represent 0 or 1,

- represents a bond or alkanediyl, alkenediyl, or alkynediyl that are in each case straight-chain or branched, have 1 to 6 and 2 to 6 carbon atoms, are optionally interrupted by one or two non-adjacent oxygen atoms, and are unsubstituted or substituted by 1 to 3 identical or different halogen atoms, and
- Y<sup>3</sup> represents straight-chain or branched alkyl or alkenyl that have 1 to 5 and 2 to 5 carbon atoms, are optionally interrupted by an oxygen, nitrogen, or sulphur atom, and are unsubstituted or substituted by 1 to 3 identical or different halogen atoms;
- represents (C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>1</sub>-C<sub>8</sub>)-cycloalkyl, or benzyl; represents phenyl that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, formyl, methyl, ethyl, n- or i-propyl, n-, i-, s-, or t-butyl, allyl, propargyl, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, methylsulphonyl, ethylsulphonyl, allyloxy, propargyloxy, trifluoromethyl, trifluoroethyl, difluoromethoxy, trifluoromethoxy, difluoromethylthio, difluorochloromethylthio, trifluoromethylsulphinyl, trifluoromethyl-

sulphonyl, trichloroethynyloxy, trifluoroethynyloxy, chloroallyloxy, iodopropargyloxy, methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetyl, propionyl, acetyloxy, methoxycarbonyl, ethoxycarbonyl, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, ethoximinomethyl, methoximinoethyl, ethoximinoethyl, cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl, of 1,3-propanediyl, 1,4-butanediyl, methylenedioxy (-O-CH<sub>2</sub>-O-), and 1,2-ethylenedioxy (-O-CH<sub>2</sub>-CH<sub>2</sub>-O-), each of which is attached in the 2,3position and are optionally mono- or polysubstituted by identical or different substituents slected from the group consisting of fluorine, chlorine, methyl, ethyl, n-propyl, i-propyl, and trifluoromethyl; represents pyridyl that is attached in the 2- or 4-position and is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; represents pyrimidyl that is attached in the 2- or 4-position and is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; represents thienyl that is attached in the 2- or 3-position and is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; represents C<sub>1</sub>-C<sub>8</sub>-alkylamino or di-C<sub>1</sub>-C<sub>8</sub>-alkylamino; represents thiazolyl that is attached in the 2-, 4-, or 5-position and is optionally mono- or disubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; or represents N-piperidinyl, N-tetrazolyl, N-pyrazolyl, N-imidazolyl, N-1,2,4-triazolyl, N-pyrrolyl, or N-morpholinyl, each of which is unsubstituted or mono- or polysubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, methoxy, methylthio,

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- hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl,
- represents H, Cl, F, CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, or cyclopropyl,
- R<sup>5</sup> represents H, Cl, F, CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, or cyclopropyl, and
- X represents H, F, Cl, CN, or  $(C_1-C_4)$ -alkyl that is unsubstituted or substituted by one or more fluorine or chlorine atoms.

Claim 14 (new): An imidazolopyrimidine of formula (I) according to Claim 11 in which represents H;

R<sup>2</sup> represents SiMe<sub>3</sub>, SiMe<sub>2</sub>Et, SiMe<sub>2</sub>CHMe<sub>2</sub>, SiMe<sub>2</sub>CH<sub>2</sub>CHMe<sub>2</sub>, SiMe<sub>2</sub>CH<sub>2</sub>CMe<sub>3</sub>, SiMe<sub>2</sub>OCHMe<sub>2</sub>, SiMe<sub>2</sub>OCH<sub>2</sub>CHMe<sub>2</sub>, CH<sub>2</sub>SiMe<sub>3</sub>, CH<sub>2</sub>SiMe<sub>2</sub>Et, CH<sub>2</sub>SiMe<sub>2</sub>CHMe<sub>2</sub>, CH<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>CHMe, CH<sub>2</sub>SiMe<sub>2</sub>OMe, CH<sub>2</sub>SiMe<sub>2</sub>OCHMe<sub>2</sub>, CH<sub>2</sub>SiMe<sub>2</sub>OCH<sub>2</sub>CHMe<sub>2</sub>, CHMeSiMe<sub>3</sub>, CHMeSiMe2OMe, (CH2)2SiMe3, (CH2)2SiMe2Et, (CH2)2SiMe2CHMe2, (CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>CMe<sub>3</sub>, (CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>CHMe<sub>2</sub>, (CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>Me, (CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>CMe<sub>3</sub>, (CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>OCHMe<sub>2</sub>, (CH<sub>2</sub>)<sub>2</sub>SiMe<sub>2</sub>OCH<sub>2</sub>CHMe<sub>2</sub>, CHMeCH<sub>2</sub>SiMe<sub>3</sub>, CHMeCH<sub>2</sub>SiMe<sub>2</sub>Et, CHMeCH<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>Me, CHMeCH<sub>2</sub>SiMe<sub>2</sub>CHMe<sub>2</sub>, CHMeCH<sub>2</sub>SiMe<sub>2</sub>CMe<sub>3</sub>, CHMeCH<sub>2</sub>SiMe<sub>2</sub>CH<sub>2</sub>CHMe<sub>2</sub>, CFMeCH<sub>2</sub>SiMe<sub>3</sub>, CHMeCH<sub>2</sub>CH<sub>2</sub>SiMe<sub>2</sub>OMe, CHMeCH<sub>2</sub>SiMe<sub>2</sub>OCHMe<sub>2</sub>, CHMeCH<sub>2</sub>SiMe<sub>2</sub>OCH<sub>2</sub>CHMe<sub>2</sub>, CH2CHMeSiMe3, CH2CHMeSiMe2Et, CH2CHMeSiMe2CHMe2, CHMeCHMeSiMe3, CMe2CH2SiMe3, (CH2)3SiMe3, (CH2)3SiMe2Et, (CH<sub>2</sub>)<sub>3</sub>SiMe<sub>2</sub>CHMe<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>SiMe<sub>2</sub>CH<sub>2</sub>CHMe<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>SiMe<sub>2</sub>OMe, (CH<sub>2</sub>)<sub>3</sub>SiMe<sub>2</sub>OCHMe<sub>2</sub>, (CH<sub>2</sub>)<sub>3</sub>SiMe<sub>2</sub>OCH<sub>2</sub>CHMe<sub>2</sub>, CHMeCH<sub>2</sub>CH<sub>2</sub>SiMe<sub>3</sub>, CHMeCH<sub>2</sub>CH<sub>2</sub>SiMe<sub>2</sub>Et, CHMeCH<sub>2</sub>CH<sub>2</sub>SiMe<sub>2</sub>CHMe<sub>2</sub>, CHMeCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>SiMe<sub>2</sub>OMe, CHMeCH<sub>2</sub>CH<sub>2</sub>SiMe<sub>2</sub>OCHMe<sub>2</sub>, CMe=CHSiMe<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>SiMe<sub>2</sub>OMe, -C=C-SiMe<sub>3</sub>, -CH<sub>2</sub>-C=C-SiMe<sub>3</sub>, or -CHMe-C≡C-SiMe<sub>3</sub>,

represents (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-6)-alkenyl, (C<sub>3</sub>-C<sub>6</sub>)-alkynyl, or (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where each such group is unsubstituted or substituted by one or more fluorine or chlorine atoms; represents 2,4- or 2,6-disubstituted phenyl, 2-substituted phenyl, or 2,4,6-trisubstituted phenyl; represents pyridyl that is attached in the 2- or 4-position and that is optionally mono- to tetrasubstituted by identical or different substituents from the group consisting of fluorine, chlorine, bromine, cyano, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, methoximinoethyl, and trifluoromethyl; or represents pyrimidyl that is attached in the 4-position and is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, methyl, ethyl, methoxy, methylthio, hydroximinomethyl, hydroximinoethyl, methoximino-methyl, methoximinoethyl, and trifluoromethyl,

represents H, -CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, Cl, or cyclopropyl,

represents H, -CH<sub>3</sub>, -CH(CH<sub>3</sub>)<sub>2</sub>, Cl or cyclopropyl, and

X represents fluorine, chlorine, (C<sub>1</sub>-C<sub>7</sub>)-alkyl, or (C<sub>1</sub>-C<sub>3</sub>)-haloalkyl.

Claim 15 (new): A process for preparing imidazolopyrimidines of the formula (I) according to Claim 11 comprising

(a) for imidazolopyrimidines of formula (I-1)

in which

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are as defined for formula (I) of Claim 11, and Y<sup>1</sup> represents halogen,

reacting a haloimidazolopyrimidine of formula (II-1)

in which

R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are as defined for formula (I) of Claim 11, and Y<sup>1</sup> represents halogen,

with an amine of formula (III)

in which  $R^1$  and  $R^2$  are as defined for formula (I) of Claim 11, optionally in the presence of a diluent, optionally in the presence of an acid acceptor, and optionally in the presence of a catalyst,

or

(b) for imidazolopyrimidines of formula (I-2)

in which

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are as defined for formula (I) of Claim 11, and represents optionally substituted alkyl or optionally substituted phenyl,

reacting a haloimidazolopyrimidine of formula (II-2)

in which

R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are as defined for formula (I) of Claim 11,

Y<sup>1</sup> represents halogen, and

R<sup>7</sup> represents optionally substituted alkyl or optionally substituted phenyl,

with an amine of formula (III)

$$R^{1}$$
 $N$ 
 $R^{2}$ 
 $H$ 
(III)

in which  $R^1$  and  $R^2$  are as defined for formula (I) of Claim 11, optionally in the presence of a diluent, optionally in the presence of an acid acceptor, and optionally in the presence of a catalyst,

or

(c) for imidazolopyrimidines of formula (I-3)

in which

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are as defined for formula (I) of Claim 11, and X<sup>1</sup> represents cyano or optionally substituted alkoxy,

reacting an imidazolopyrimidine of formula (I-1)

in which

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> are as defined for formula (I) of Claim 11, and Y<sup>1</sup> represents halogen,

with a compound of formula (IX),

$$M-X^1$$
 (IX)

in which

M represents ammonium, tetraalkylammonium, an alkali metal cation, or an alkaline earth metal cation, and

X<sup>1</sup> represents cyano, alkoxy, or substituted alkoxy.

Claim 16 (new): A composition for controlling unwanted microorganisms comprises one or more imidazolopyrimidines of formula (I) according to Claim 11 and one or more extenders and/or surfactants.

Claim 17 (new): A composition according to Claim 16 additionally comprising one or more further agrochemically active compounds.

Claim 18 (new): A method for controlling unwanted microorganisms comprising applying an effective amount of an imidazolopyrimidine of formula (I) according to Claim 11 to the unwanted microorganisms and/or their habitats.

Claim 19 (new): A process for preparing a composition for controlling unwanted microorganisms comprising mixing one or more imidazolopyrimidines of formula (I) according to Claim 11 with one or more extenders and/or surfactants. --